

087400S03 ACCESS CONTROL HARDWARE Automatic Door Operators

- 1.0 Auto door operator shall be Stanley Magic Force Swinging Door or equal. The unit shall be electro-mechanical low energy powered with a manual opening force not to exceed 8.5 lbs. Closing force shall be 5 lbs. Electrical requirement shall be 120 VAC, single-phase, 15 amp fused circuit. Provide 3/4 inch EMT for activation wiring. The operator shall have the ability to be converted from right hand to left hand operation with simple field modifications.
- 2.0 Capacity: Provide operators of size recommended by manufacturer for door size, weight, and movement, condition of exposure, and long term, maintenance free operation under normal traffic load for type of occupancy.
- 3.0 Exposed Housing: Minimum 0.062 inch thick, extruded or formed aluminum cover with provisions for maintenance access. Provide with fasteners concealed when door is in closed position. Finish to be brushed aluminum, clear anodized when used with clear anodized aluminum or painted steel frames. Finish to be clear anodized dark bronze when used with dark bronze aluminum frames.
- 4.0 Adjustment Features: Operators shall be fully adjustable. Provide adjustment for opening, closing, acceleration during opening and recycling (for soft start), and back check speeds, as well as length of time door remains open. Open time must be adjustable from 5 to 30 seconds. Manual opening force must be adjustable. Door shall safely stop and reverse if an object is encountered in the opening or closing cycle. In the event of a power failure the unit shall operate manually with controlled spring close as though equipped with a manual door closer, without damage to operator components. The operator shall employ a rheostat module to allow for easy, independent field adjustment of closing and latching speeds using the motor as a dynamic brake.
- 5.0 Activation Switches: Activation switches shall be stainless steel, push plate type and may be mounted on a wall, pedestal/bollard, or railing. The switch shall be marked with handicapped symbol, color to be blue. All wiring shall be concealed. All activation switches shall meet all ADA requirements for mounting location, mounting height, identification, etc.
- 6.0 Doors that must be capable of locking for security measures and utilizing an auto door operator must be equipped with a mag-lock. The mag-lock must be activated by a proximity reader connected to the Medical Center security system. The mag-lock must be integrated into the fire alarm system to "drop-out" the mag-lock in the event of an alarm. Fire rated doors must also have a panic device to provide positive latching to maintain the required fire rating. The panic device must also be integrated with the fire alarm system to only lock in the event of an alarm. All wiring to the auto door operator, mag-lock, and other devices shall be installed in 3/4 EMT.
- 6.1 All doors with an auto door opener and a mag-lock must also be equipped with an infrared "request to exit" device. The request to exit will momentarily deactivate the mag-lock allowing passage through the door. The mag-lock will reactivate and secure the door once the request to exit is no longer activated and the door has closed. These doors are to also contain only one activation switch (red exit button) connected to both the security mag-lock to deactivate power to the lock and to operate the door operator.
- 7.0 Installation shall be by an installer approved and trained by the manufacturer in strict accordance with the manufacturer's instructions and fire marshal's listing requirements.
- 8.0 Any required daily checklist stickers need to be affixed to the sides of the auto operator. Do not install on the face or bottom of the operator or on the door frame.